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TITLE : IMAGE FORMING METHOD, IMAGE FORMING EQUIPMENT AND SMOOTHNESS DETECTOR OF RECORDING MEDIUM

ABSTRACT : PROBLEM TO BE SOLVED: To form an image of high quality without depending on various kinds of paper, i.e., the kind and surface roughness of recording medium to be used.

SOLUTION: This image forming method contains a smoothness detecting step of recording medium and an image formation control step, thereby obtaining an excellent image. The smoothness detecting step consists of a first step S2-1 for irradiating a recording medium with a light, a second step S2-2 for detecting reflected light intensity distribution from the recording medium, as three-dimensional image information, and a third step S2-3 which operates the detected three-dimensional image information and converts it to fractal dimension being one-dimensional information. A step S2-4 determines and controls a plurality of image forming parameters on the basis of the fractal dimension being the one-dimensional information.

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